



**1971-2000 Normals
Product Release Update
October 1, 2002**

Summary of Products Now Available:

CLIM81	Climatology of the U.S. No. 81 Monthly Station Normals, 1971-2000	Formats: ASCII, PDF, Data Set 9641C
CLIM84	Climatology of the U.S. No. 84 Daily Station Normals, 1971-2000	Formats: ASCII, PDF, Data Set 9641D
CLIM85	Climatology of the U.S. No. 85 Monthly Divisional Normals and Standard Deviations, 1971-2000 (and previous normals periods)	Formats: ASCII, PDF, Data Set 9641F
CLIM81-01	Climatology of the U.S. No. 81, Supplement 1 Monthly Precipitation Probabilities and Quintiles, 1971-2000	Formats: ASCII, PDF, Data Set 9641C
CLIM81-02	Climatology of the U.S. No. 81, Supplement 2 Annual Degree Days to Selected Bases, 1971-2000	Formats: ASCII, PDF, Data Set 9641G
HCS 4-1/2/3	Historical Climatology Series 4-1, 2, and 3 Area-weighted State, Regional, and National Temperature and Precipitation, 1971-2000 (and previous normals periods)	Formats: ASCII, PDF, Data Set 9641E
HCS 5-1/2	Historical Climatology Series 5-1 and 2 Population-weighted State, Regional, and National Degree Days 1971-2000 (and previous normals periods)	Formats: ASCII, PDF, Data Set 9641E
CLIM20-02	Climatology of the U.S. No. 20, Supplement 2 National Weather Service Snow Normals, 1971-2000	Formats: ASCII, PDF (description)

File Descriptions and Locations:

NOTE: Non-digital data set files can be accessed through an on-line interface at:
<http://www5.ncdc.noaa.gov/cgi-bin/climatenormals/climatenormals.pl>

The following list provides data source locations for the various normals products:

**CLIM81 Climatography of the U.S. No. 81
Monthly Station Normals, 1971-2000**

- i.) State Grouping of Data: Station data grouped by State, including inventory, monthly/annual values of temperature (maximum, minimum, and mean), precipitation, degree days (HDD and CDD), and normals statistics (highest mean/year, median, lowest mean/year, maximum/minimum adjustment for time of observation bias). (COST)

Format: *Location(s):*
 PDF Monthly Station Normals CD-ROM
 PDF <http://www5.ncdc.noaa.gov/climatenormals/clim81/>, ##norm.pdf, ##=State code
 ASCII Monthly Station Normals CD-ROM
 ASCII <http://www5.ncdc.noaa.gov/climatenormals/clim81/>, ##norm.txt, ##=State code

- ii.) Digital Data Set: Individual station data, including inventory, and monthly/annual values of temperature (maximum, minimum, and mean), precipitation, degree days (HDD and CDD), and normals statistics (highest mean/year, median, lowest mean/year, maximum/minimum adjustment for time of observation bias, and 11- and 21- year normals). Monthly/annual precipitation probabilities and quintiles also available. (COST)

Format: *Location(s):*
 ASCII HDSS: Digital Data Set *TD-9641-C*
 9641C_1971-2000_NORM_CLIM81_MTH_STNMETA (Station Metadata)
 9641C_1971-2000_NORM_CLIM81_MTH_SEQUENTIAL (Month-Year Sequential Values)
 9641C_1971-2000_NORM_CLIM81_MTH_STNNORM (Station Normals)
 9641C_1971-2000_NORM_CLIM81_MTH_PRECQUIN (Precipitation Quintiles)
 9641C_1971-2000_NORM_CLIM81_MTH_PRECPROB (Precipitation Probabilities)

**CLIM84 Climatography of the U.S. No. 84
 Daily Station Normals, 1971-2000**

- i.) Individual Station Data: Station data, including spline-fit daily values of temperature (maximum, minimum, and mean), precipitation, and degree days. Monthly means and totals also provided. (COST)

Format: *Location(s):*
 ASCII Daily Station Normals CD-ROM
 ASCII <http://www5.ncdc.noaa.gov/climatenormals/clim84/###/>,
 ##\$\$\$\$\$.txt, ##=State Code, \$\$\$\$\$=COOP ID

- ii.) First-Order Individual Station Data: Station data for first-order stations, including spline-fit daily values of temperature (maximum, minimum, and mean), precipitation, and degree days. Monthly, annual, and seasonal means and totals also provided. (COST)

Format: *Location(s):*
 PDF [http://www5.ncdc.noaa.gov/climatenormals/clim84/PDF/\\$\\$\\$\\$\\$.pdf](http://www5.ncdc.noaa.gov/climatenormals/clim84/PDF/$$$$$.pdf), \$\$\$\$\$=COOP ID

- iii.) NWS Region Grouping of First-Order Individual Station Data: Data for first-order stations grouped by National Weather Service Region, including spline-fit daily values of temperature (maximum, minimum, and mean), precipitation, and degree days. Monthly, annual, and seasonal means and totals also provided. (COST)

Format: *Location(s):*
 PDF <http://www5.ncdc.noaa.gov/climatenormals/clim84/NWS/>,
 CLIM84_AK_PC_01.pdf (AK, HI, Territories)
 CLIM84_WREG_xx.pdf (NWS Western Region, xx=01-04)
 CLIM84_CREG_xx.pdf (NWS Central Region, xx=01-06)
 CLIM84_SREG_xx.pdf (NWS Southern Region, xx=01-04)
 CLIM84_EREG_xx.pdf (NWS Eastern Region, xx=01-03)

- iv.) Digital Data Set: Station data, including spline-fit daily values of temperature (maximum, minimum, and mean), precipitation, and degree days. (COST)

Format: *Location(s):*
 ASCII HDSS: Digital Data Set *TD-9641-D*
 9641D_1971-2000_NORM_CLIM84_DLY_STNMETA (Station Metadata)
 9641D_1971-2000_NORM_CLIM84_DLY_STNNORM (Station Normals)

**CLIM85 Climatography of the U.S. No. 85
 Monthly Divisional Normals and Standard Deviations, 1971-2000
 (and previous normals periods)**

- i.) Element Grouping of Divisional Data: Monthly/annual climate division mean/total and standard deviation data of temperature, precipitation, and degree days (HDD/CDD). Maps for the U.S. depicting mean and standard deviations of all elements by month/annual value. Means/totals for previous normals periods included. (FREE)

Format: *Location(s):*
 PDF <http://www5.ncdc.noaa.gov/climatenormals/clim85>,
 CLIM85_TEMP01.pdf (Temperature Values)
 CLIM85_PRCP02.pdf (Precipitation Values)
 CLIM85_HDD03.pdf (Heating Degree Day Values)
 CLIM85_CDD04.pdf (Cooling Degree Day Values)
 CLIM85_71MAP05.pdf (Color Maps of 1971-2000 Divisional Normals)
 CLIM85_31MAP06.pdf (Color Maps of 1931-2000 Long-Term Means)
 ASCII <http://www5.ncdc.noaa.gov/climatenormals/clim85>,
 CLIM85_TEMP01.dat (Temperature Values)
 CLIM85_PRCP02.dat (Precipitation Values)
 CLIM85_HDD03.dat (Heating Degree Day Values)
 CLIM85_CDD04.dat (Cooling Degree Day Values)
 CLIM85_71MAP05.dat (Color Maps of 1971-2000 Divisional Normals)

- ii.) Digital Data Set: Monthly/annual climate division mean/total and standard deviation data of temperature, precipitation, and degree days (HDD/CDD). Means/totals for previous normals periods included. (COST)

Format: *Location(s):*
 ASCII HDSS: Digital Data Set *TD-9641-F*
 9641F_1971-2000_NORM_CLIM85_TEMP_SEQ (Temperature Month-Year Sequential Values)
 9641F_1971-2000_NORM_CLIM85_TEMP_AVG (Temperature Normals)
 9641F_1971-2000_NORM_CLIM85_PRCP_SEQ (Precipitation Month-Year Sequential Values)
 9641F_1971-2000_NORM_CLIM85_PRCP_AVG (Precipitation Normals)
 9641F_1971-2000_NORM_CLIM85_HDD_SEQ (Heating DD Month-Year Sequential Values)
 9641F_1971-2000_NORM_CLIM85_HDD_AVG (Heating Degree Day Normals)
 9641F_1971-2000_NORM_CLIM85_CDD_SEQ (Cooling DD Month-Year Sequential Values)
 9641F_1971-2000_NORM_CLIM85_CDD_AVG (Cooling Degree Day Normals)

**CLIM81-01 Climatography of the U.S. No. 81, Supplement 1
 Monthly Precipitation Probabilities and Quintiles**

- i.) First-Order Station Data: Monthly/annual selected precipitation probabilities and quintiles (0.1, 0.2, 0.4, 0.5, 0.6, 0.8 levels) for first-order stations. (FREE)

Format: *Location(s):*
 PDF http://www5.ncdc.noaa.gov/climatenormals/clim81_supp,
 CLIM81_Sup_01.pdf
 ASCII http://www5.ncdc.noaa.gov/climatenormals/clim81_supp,
 CLIM81_Sup_01.dat

- ii.) Digital Data Set: Monthly/annual precipitation probabilities and quintiles (0.01, 0.05, 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 0.95, 0.99, 0.995 levels) for all normals precipitation stations. (COST)

Format: *Location(s):*
 ASCII HDSS: Digital Data Set *TD-9641-C*
 9641C_1971-2000_NORM_CLIM81_MTH_PRECQUIN (Precipitation Quintiles)
 9641C_1971-2000_NORM_CLIM81_MTH_PRECPROB (Precipitation Probabilities)

**CLIM81-02 Climatography of the U.S. No. 81, Supplement 2
 Annual Degree Days to Selected Bases**

- i.) Selected Bases, All Station Data: Monthly/annual degree days to selected bases (HDD base 65, 60, 57, 55, 50, 45, and 40 deg F; CDD base 70, 65, 60, 57, 55, 50, and 45 deg F) for all normals temperature stations. (COST)

Format: *Location(s):*
 PDF http://www5.ncdc.noaa.gov/climatenormals/clim81_supp,
 CLIM81_Sup_02.pdf

ASCII http://www5.ncdc.noaa.gov/climatenormals/clim81_supp/CLIM81_Sup_02.dat

ii.) Digital Data Set: Monthly/annual degree days to bases (HDD base 70, 65, 60, 57, 55, 50, 45, 43, 40, 35, 32, and 30; CDD base 80, 75, 70, 65, 60, 57, 55, 50, 45, 43, 40, 35, and 32 deg F) for all normals temperature stations. (FREE)

Format: *Location(s):*
ASCII HDSS: Digital Data Set *TD-9641-G*
9641G_1971-2000_CLIM81_SUPP2_HDD_SELBASE (Heating Degree Days to Bases)
9641G_1971-2000_CLIM81_SUPP2_CDD_SELBASE (Cooling Degree Days to Bases)

**HCS 4-1/2/3 Historical Climatology Series 4-1,2, and 3
Area-Weighted State, Regional, and National Temperature and Precipitation, 1971-2000
(and previous normals periods)**

i.) All Data:
HCS 4-1: State, Regional, National Monthly/Annual Temperature
HCS 4-2: State, Regional, National Monthly/Annual Precipitation
HCS 4-3: State, Regional, National Seasonal Temperature and Precipitation (ALL FREE)

Format: *Location(s):*
PDF <http://www5.ncdc.noaa.gov/climatenormals/hcs/>
HCS_41.pdf
HCS_42.pdf
HCS_43.pdf
ASCII <http://www5.ncdc.noaa.gov/climatenormals/hcs/>
HCS_41_seq.txt (Area-Weighted Temperature Month-Year Sequential Values)
HCS_41_avg.txt (Area-Weighted Monthly Temperature Normals)
HCS_42_seq.txt (Area-Weighted Precipitation Month-Year Sequential Values)
HCS_42_avg.txt (Area-Weighted Monthly Precipitation Normals)
HCS_43_avg.txt (Area-Weighted Seasonal Temperature and Precipitation Normals)
HCS_WGT.txt (Area and Population Weights by State)

ii.) Digital Data Set: Area-Weighted State, Regional, and National Temperature and Precipitation. (COST)

Format: *Location(s):*
ASCII HDSS: Digital Data Set *TD-9641-E*
9641E_1971-2000_NORM_HCS41_TEMP_SEQ (Temperature Month-Year Sequential Values)
9641E_1971-2000_NORM_HCS41_TEMP_AVG (Temperature Normals)
9641E_1971-2000_NORM_HCS42_TEMP_SEQ (Precipitation Month-Year Sequential Values)
9641E_1971-2000_NORM_HCS42_TEMP_AVG (Precipitation Normals)
9641E_1971-2000_NORM_HCS_STATWGTS (Area and Population Weights by State)

**HCS 5-1/2 Historical Climatology Series 5-1, and 2
Population-Weighted State, Regional, and National Degree Days, 1971-2000
(and previous normals periods)**

i.) All Data:
HCS 5-1: State, Regional, National Monthly/Annual Heating Degree Days
HCS 5-2: State, Regional, National Monthly/Annual Cooling Degree Days (ALL FREE)

Format: *Location(s):*
PDF <http://www5.ncdc.noaa.gov/climatenormals/hcs/>
HCS_51.pdf
HCS_52.pdf
ASCII <http://www5.ncdc.noaa.gov/climatenormals/hcs/>
HCS_51_seq.txt (Population-Weighted Heating Degree Day Month-Year Sequential Values)
HCS_51_avg.txt (Population-Weighted Monthly Heating Degree Day Normals)
HCS_52_seq.txt (Population-Weighted Cooling Degree Day Month-Year Sequential Values)

HCS_52_avg.txt (Population-Weighted Monthly Cooling Degree Day Normals)
HCS_WGT.txt (Area and Population Weights by State)

ii.) Digital Data Set: Population-Weighted State, Regional, and National Degree Days (COST)

<i>Format:</i>	<i>Location(s):</i>	
ASCII	HDSS: Digital Data Set <i>TD-9641-E</i>	
	9641E_1971-2000_NORM_HCS51_HDD_SEQ	(Temperature Month-Year Sequential Values)
	9641E_1971-2000_NORM_HCS51_HDD_AVG	(Temperature Normals)
	9641E_1971-2000_NORM_HCS52_CDD_SEQ	(Precipitation Month-Year Sequential Values)
	9641E_1971-2000_NORM_HCS52_CDD_AVG	(Precipitation Normals)
	9641E_1971-2000_NORM_HCS_STATWGTS	(Area and Population Weights by State)

CLIM20-02 Climatography of the U.S. No. 20, Supplement 2
National Weather Service Snow Normals

i.) All Data: Monthly snowfall, snow depth, and number of days greater than or equal to 0.1" and 1.0" of snowfall for approximately 500 NWS locations. Daily spline fit values of snowfall and snow depth based on the monthly values. Files noted as 'formatted' include header information and an easy-to-read layout. (FREE)

<i>Format:</i>	<i>Location(s):</i>	
PDF	http://www5.ncdc.noaa.gov/climatenormals/clim20-02_normalsnwssnow.pdf	(Product Description and Formats)
ASCII	http://www5.ncdc.noaa.gov/climatenormals/clim20-02_NWS_SNOW_INV.dat	(Station Inventory)
	NWS_SNOW_MNFALL_fmt.dat	(Formatted Monthly/Daily Snowfall)
	NWS_SNOW_MNDPTH_fmt.dat	(Formatted Monthly/Daily Snow Depth)
	NWS_SNOW_NDYFXX_fmt.dat	(Formatted Monthly # of Days >= Snowfall Threshold)
	NWS_SNOW_MNFALL_mth.dat	(Monthly Snowfall)
	NWS_SNOW_MNFALL_dly.dat	(Daily Snowfall)
	NWS_SNOW_MNDPTH_mth.dat	(Monthly Snow Depth)
	NWS_SNOW_MNDPTH_dly.dat	(Daily Snow Depth)
	NWS_SNOW_NDYF01_mth.dat	(Monthly Number of Days >= 0.1" Snowfall)
	NWS_SNOW_NDYF10_mth.dat	(Monthly Number of Days >= 1.0" Snowfall)